Release Notes for SIP-DECT Software

AASTRA
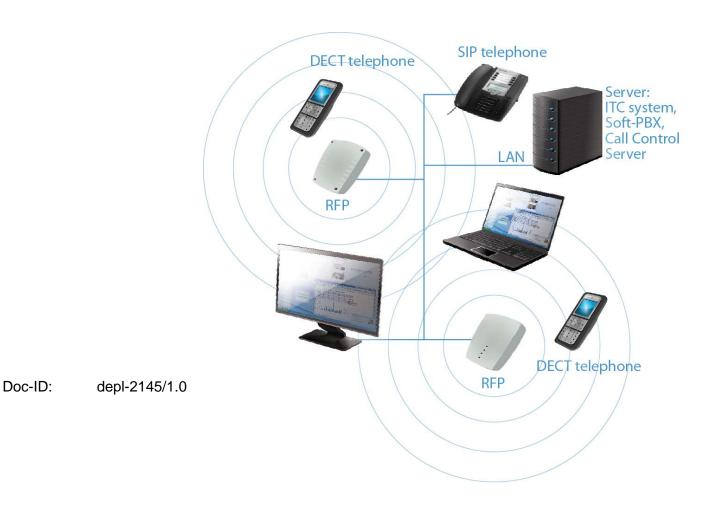A Mitel Company

Software SIP-DECT 5.0SP2 for

- RFP based Open Mobility Solution
- Linux Server based Open Mobility Solution

Doc-ID: depl-2145/1.0

1 Table of Content

2 Software Identification

2.1   Current Delivery

- **SIP-DECT Software Version 5.0SP2**
  iprfp2G.tftp: SW for RFP 32 IP, RFP 34 IP, RFP 42 WLAN
  iprfp3G.dnld: SW for RFP 35 IP, RFP 36 IP, RFP 37 IP and RFP 43 WLAN
  SIP-DECT.bin: SW for Linux Server based OM including the Aastra 600d/c firmware
- aafon6xxd.dnld**:**   Aastra Handset Firmware Package including:
  - **Aastra 6x0d firmware release 5.00.SP4**
  - **Aastra 6x2d/650c firmware release 5.5.SP1**
- **OM Configurator 5.0SP2** (OMC)
- **OM Management Portal 5.0SP2** (OMP)
- **OM Locating 5.0SP2** (OML)

File	MD5sum digest (binary mode)
iprfp2G.tftp	07158fda27e127c9bb08a73684267aa3
iprfp3G.dnld	1f8201a9d5c710243423e5fedeff5714
SIP-DECT.bin	39ccd8c3b967118654a9e7aa48ce8af7
aafon6xxd.dnld	e4155fbf2f2cf83bfe31e2056e7306d7
OM_Configurator.jar	e092cb008419d92abc0ff055562bcea6
OMP.jar	19f799ad760f17d3ef66d684209a1773
OML.war	2b02e3fb7dd22282805af16d963fcb70

2.2   Last Delivery

- **SIP – DECT Software Version 5.0SP1**
- Aastra Handset Firmware Package including:
  - **Aastra 6x0d firmware release 5.00.SP3**
  - **Aastra 6x2d/650c firmware release 5.5**

3 Reason for change

3.1 General

Main Reason is the new handset firmware and the correction of the OpenSSL: SSL/TLS MITM vulnerability. Further corrections are included in this Service Pack.

Release of new handset firmware for the Aastra 6x2d hardware is included as download. This firmware is needed to upgrade the new revision of the Aastra 632d Hardware (new man down sensor) (date code ≥ 2014.06, handset version info shows HW: 5.NG.3 or 6.NG.3).

3.2 Features

3.3 Corrections

Find the complete list of [Corrections in Software Release 5.0](#) at the end of the document.

Especially notable is:

DEV-15098: OpenSSL: SSL/TLS MITM vulnerability (CVE-2014-0224)
All previous SIP-DECT 5.0 includes the openssl library which is affected by the "OpenSSL: SSL/TLS MITM vulnerability (CVE-2014-0224)" problem. 5.0SP2 fixes that problem by an update to the openssl library 1.0.1h. **Because of that we strongly recommend upgrading to SIP-DECT 5.0SP2.**

3.4 Other Changes

None

4 Additional Information

4.1 Known issues

- **OM Locating (OML):**
  After clicking on a thumbnail image in the window which lists the installed video cameras a separate window opens which displays the corresponding video images. If this window is closed the corresponding video stream from OMM is not correctly closed. Workaround: log out of OML, close the browser tab, open a new tab and login again.

- **CUS-15028: OM Locating do not show Distress Event Popup and assign the Event to a old case**
  If description texts for RFPs (the fields "name", "site", "building", "floor", "room" in OMP) contain single quote characters (') the resulting location for this RFP is not correctly built and new distress events will not be saved in the OML database but wrongly attached to old events. As a workaround avoid single quote characters in those fields until this bug is fixed.

4.2 Restrictions

- **OM Locating (OML):**
  If a video image is displayed in a separate Firefox tab (by clicking on the double up arrow in the upper right corner of the video window) Firefox accumulates memory and crashes

finally. This is a known failure of Firefox.
We recommend using the Safari browser.

4.3 Usage Hints

- **Release of handset firmware 5.5SP1 (included download container)** is needed to upgrade the new revision of the Aastra 632d Hardware (new man down sensor) (date code ≥ 2014.06, handset version info shows HW: 5.NG.3 or 6.NG.3).

- **All previous SIP-DECT 5.0 includes the openssl library which is affected by the "OpenSSL: SSL/TLS MITM vulnerability (CVE-2014-0224)" problem. 5.0SP2 fixes that problem by an update to the openssl library 1.0.1h. Because of that we strongly recommend upgrading to SIP-DECT 5.0SP2.**

- **With SIP-DECT 5.0 a new licence file format and mechanism is introduced. This requires an update to the 5.0 release before importing a 5.0 licence file.**

- **A license for SIP-DECT 5.0 cannot be imported into SIP-DECT 4.0 or previous releases.**

- **OM Locating (OML):**
  Starting with OMM 4.0SP5 the location of the OM Locating data files has changed to "/var/lib/OML/". Make sure that this directory exists and is owned by user "tomcat" and group "tomcat". Copy any existing files from "/var/cache/tomcat6/work/OML/" to this new directory. For details see the OML installation manual.

- **As in the past, the database built with this release is not backward compatible with older releases. A downgrade to an older release will require a database matching the older release. Before upgrading the SIP-DECT SW a database backup is strongly recommended.**

- **The upgrade from release 4.0 to 5.0 requires a restart of the whole SIP-DECT system.**
  To upgrade RFP-OMM installations with activated "standby" feature:
     - put the 5.0 RFP SW on the configured file server
     - configure the concurrent (all at once) update mode
     - click the Update button
  To upgrade PC-OMM installations with activated "standby" feature:
     - put the 5.0 RFP SW on the configured file server
     - update the standby OMM and start the OMM service, wait 30 seconds
     - update the active OMM, wait 30 seconds, start the OMM service
  For a detailed description please see *"SIP-DECT® Knowledge Base: SIP-DECT® System Update"*.

- The upgrade from 3.0SP4 to 5.0SP1 and 4.0SP5 to 5.0SP1 has been tested.
  The upgrade from releases before 3.0 may require an intermediate upgrade to 3.0. Therefore please follow the instructions in the appropriate release notes of previous releases.

- The OM Management Portal (OMP) and the OM Configurator (OMC) requires Java Runtime environment version 1.7 or higher.

- The DECT Monitor has been replaced by OMP but the DECT Monitor release 2.0 or higher can still be used without warranty for SIP-DECT installations with a standard PARK and up to 256 RFPs' all within paging area "0".

- OMM Web service system page:
  The value 'US (FCC/CI)' for the selection of the 'Regulatory Domain' is only valid with FCC compliant RFP32/34 NAs'.

- The browser used for service access must have frame support, JavaScript and cookies enabled.

- When upgrading or downgrading the SIP-DECT software please delete the cookies and the cache in your browser after the upgrade / downgrade and before connecting with the new OpenMobility Manager (OMM). Otherwise it may happen that the OMM Web service is locked.

4.4 References

depl-2031:   SIP-DECT 5.0 System Manual

depl-2134:   Aastra 6x0d SW Release Notes 5.0SP4

depl-2146:   Aastra 6x2d SW Release Notes 5.5SP1

5 Corrections in Software Release 5.0

5.1 Corrections between SW 5.0SP1 and SW 5.0SP2

DEV-15075: OMP allows leaving of system or sip settings tab even if there is a faulty value

DEV-15080: Web does not accept valid OMP web start Code Base URL
The Web Service hasn't accepted '?' and '=' characters configuring the Code Base URL for the web start feature.

DEV-15088: Startup of PC-OMM with 4096 RFPs and 10000 PPs fails
The default settings for the register traffic shaping feature caused in high performance environment an overload in OMM. To prevent such situations, the default settings have been changed to a *Waiting time* of 10 msec.

DEV-15089: MWI re-subscribe with new call-id in case of DNS SRV

DEV-15098: OpenSSL: SSL/TLS MITM vulnerability (CVE-2014-0224)

DEV-15099: only TLS 1.0 is supported for SIP signalization
The OMM supported only TLS 1.0 and not also 1.1 and 1.2 for the SIP signalization.

Various smaller fixes and improvements

5.2 Corrections between SW 5.0 and SW 5.0SP1

CUS-14624: audio issues with OMM 4.0
A special SIP signalisation correlated with the A5000 feature "hunt group" could cause no audio when a DECT handover happens during the setup. The signalisation of a media ip address "0.0.0.0" and media inactive in the first step of a "hunt group" call setup can cause no audio after accepting the call. This problem is also caused by previous releases since 4.0.

CUS-14658: OML Message Task: Message Confirmations are not recognised by OML
Sending the same message to every configured PP for the chosen message-task did not create a different ID for every message.

CUS-14883: SP_17997 DTMF non transmitted by OMM during an SOS call
This issue occurs when an SOS call is established from a 600d handset. When a user press a key in such SOS call active state a new outgoing call will be initiated instead of sending DTMF. This problem is also caused by previous releases since 3.0.

CUS-14938: Sync over air: frequence offset values out of permitted range

It could happen in rare and special cases, that, especially in configurations with RFPs in different clusters, the synchronization of individual RFPs was not properly adjusted.

DEV-10438: OM Locating: Message send dialog provides message priorities regardless the permissions
The problem was caused by missing handling of messaging permissions changes.

DEV-13425: OM Locating: location is shown @ OML although locating is disabled for PP

DEV-14701: IS_23344 - waiting call on DECT SIP is lost when involving Flash R key before transfer while waiting call
3rd imcoming line lost sometimes, if user toggles several times between two primary lines, before he make a call transfer

DEV-14718: OM Locating: The search for a nonexistent string runs endless (page: portable parts)

DEV-14719: OM Locating: The search for a sender doesn't found relevant entries (Closed distress)

DEV-14725: OM Locating: Column sorting not working properly
In some tables the column sorting was not working properly.

DEV-14727: OM Locating: message send: The call number selection guide seeks endlessly

DEV-14782: authorized SIP registration fails if PW is changed to an established one
The modification of the sip password of SIP-DECT user cause a SIP de-registration. In this scenario the OMM has used already the new password when the PBX asking for authorization of de-registration.

DEV-14783: OM Locating, APP, Licenses of the components used, GWT link brings 404
Corrected link to external URL.

DEV-14785: OM Locating: Bluetooth location info missing in PP Overview
If no 'name' is configured (using OMP) for a BT device OML now uses a fixed prefix 'BT ID' and the ID of the device.

DEV-14789: OM Locating: Distress Events, the hover text for "accept" button has a language mix
The translation of the hover text has been corrected.

DEV-14793: OM Locating: Distress event window has update problems

DEV-14803: OM Locating: distress event window with wrong page size number format
Only allow decimal input.

DEV-14851: OM Locating: A cyrillic letter in the username stops the notifications from OMM
Bug was not triggered by non-ASCII characters in usernames but happens after re-login with another username. A list was not correctly re-initialized in this case.

DEV-14946: VP_18887 R6.1 DECT IP enquiry calls and recover 1st com
The retrieve key (can be used instead of R-Key to pickup passive call) is offered always, if active line is in dial preparation or released from B-Party.

DEV-14962: OpenSSL Security Advisory [07 Apr 2014]; CVE-2014-0160

DEV-14968: redundancy OMM 5.0
Not all SIP-TLS setting was transferred to a standby OMM. In case of a failover this could be caused to the situation that the standby is not coming up.

DEV-14999: SP_17994 SOS number not transmitted to terminal upon registration
SOS number not set after wildcard subscription.

DEV-15031: XML: Some API_Events are not sent under certain conditions.

DEV-15033: AXI: Some PP Call states are notified twice

DEV-15036: No early encryption with the last possible handset (ppn=512 or ppn=4096)

DEV-15040: SIP transport mode UDP/TCP not operational

Various smaller fixes and improvements

5.3   Corrections between SW 4.0SP5 and SW 5.0

DEV-14699; IS_23204 Ringing timeout not configurable on OMM side (defined at 60 seconds)
The timer has been increased to 180 seconds.

CUS-14664; OM-Configurator dismiss captured RFPs if a bind failed exception occur during scan

Various smaller fixes and improvements

5.4   Corrections between SW 5.0RC4 and SW 5.0

CUS-13776; Danish Translations on OML are wrong and not encoded
Wrong character set and translations have been corrected.

CUS-13944; OML message task scenario with wrong time

CUS-14151; OML: invalid encoding when using handset locating client (dansk)
Wrong character set has been corrected.

CUS-14153; OML did lose connection to OMM and did not recover
Make detection of lost connection to OMM more robust.

CUS-14283; OMM Web service display an incomplete page

CUS-14342; SIP-DECT OMM reboot: UserAgent::PrackFor1xxSend: Missing dialog
A special user behaviour in combination with a configured secondary and tertiary SIP servers caused a OMM restart.

CUS-14425; License Server not found when changing OMM IP
- Now using localhost for license client/server configuration

- Do not start the client/server
- Parsing the new license file format triggered by cnf
- Keeping installation ID to prevent loading of wrong license file (with   different PARK)

CUS-14484; SNTP Server unreliable message flood syslog server

When a SNTP server was temporarily not reachable the RFPs have send too many warnings to the syslog server.

CUS-14502; OMP: Misleading texts for PP user

CUS-14537; Remote camera in OML shows video stream for 3 seconds only and then white screen

CUS-14611: OML Error 509 in browser if camera is highlighted with >> button

CUS-14664: OM-Configurator dismiss captured RFPs if a bind failed exception occur during scan

CUS-14675: OML database lost after updating the linux os

This error is caused by the CentOS (more precise tomcat6 package) upgrade process which deletes the folder "/var/cache/tomcat6/work/". This directory was used for the OML database files. Starting with OMM 4.0SP5 these database files will be stored in a separate directory "/var/lib/OML" (which is unaffected by any CentOS package update). For details how to safely upgrade OML see the installation manual.

CUS-14717: Unhelpful syslog output "* IMA : [FFFFFFFF] cannot send confirmation!"**

CUS-14743: Mediastream timestamp calculation after early media wrong

In outgoing call scenarios with early media the OpenMobility re-started the media stream with the timestamp 0 as soon as the call becomes active. This behaviour caused audio downtime with a specific platform.

CUS-14746: Rigs: Handset time differs up to 7 Minutes when tracking is enabled

DEV-12112: pw-aging effectless using OMP only

DEV-13517: OML Wrong PP user names

DEV-13705: OML ECC Locating config file do not encode to UTF-8

DEV-13739: OML Default Message Text for emergency event has handling and placeholder error

DEV-13800: OML No snapshot when activating a video device with an apostrophe in name

DEV-14040: UPD: time controlled RFP-SW-update 'one by one' does not work

DEV-14400: OMM PC Webs display incomplete menus

DEV-14405: WLAN: No activation of WLAN after reconnecting an RFP43 to LAN

DEV-14446: video terminal interface cause problems for CTI via XML URI:Dial

DEV-14498: OMP: Exception after Link_Closed if received OMM uptime was 0 sec.

DEV-14505: OMP crashes if an invalid password was typed in

DEV-14512: Processing Duration for Deletion / Modification of 10000 PP Data Records is too long

DEV-14531: OMP sync view not working correct

DEV-14535: WLAN-NL: nl80211 not found

DEV-14542: OMP login possible with expired accounts

DEV-14548: No ringer tone, if ringback on hold is active after release of inquiry call

DEV-14558: WLAN LED not showing the correct station association state

DEV-14564: call controls line locked in inquiry call state
In special rare situation it was possible that a line was locked until the user switched off and on the phone.

DEV-14565: RFP3G on continuous system overload by video stream

DEV-14588: OMP: Out Of Memory Error
A memory leak in the OMP application consumes more and more memory and could cause an "out of memory error" after lots of days.

DEV-14607: SIP DECT with Aastra 400: not transmitted SIP/XML notifies

DEV-14641: IMA: wrong value for attribute melody causes a blocked IMA message queue

DEV-14649: SOS call from a6xxd released by OMM5.0 on distant off hook

DEV-14651: Issue of TLS session opening using trusted certificate

DEV-14656: sporadic crash of OMM 5.0

DEV-14671: OMP crash when sorting RFPs by SW Version

DEV-14681: IS_23324 "notable" background noise played on two participants in conference
There was sometimes a "notable" background noise played on two participants in conference when one participant has triggered an on hold on the conference.

DEV-14688: PC-OMM: Failover to Standby-OMM causes loss of synchronisation

DEV-14699; IS_23204 Ringing timeout not configurable on OMM side (defined at 60 seconds)
The timer has been increased to 180 seconds.

DEV-14703: OMM could crash with core dump in rare situations when RFPs lost connection to the OMM

DEV-14705: SIP 301 responses do not work on MX-ONE when using TLS

DEV-14711: Configure incomplete OMM data makes the OML server very slow

DEV-14723: OMM timed update do not proceed on Single OMM RFP

DEV-14742: OMP: OMP crashes when deleting all WLAN profiles

DEV-14747: Aastra A5000 SIP notifies lead to OMM crash during startup

DEV-14752: MSM call statistic report 555% packet lost

DEV-14760: OMP: displaying wrong IP address for standby OMM

DEV-14770: OMP: error when changing RFP42-WLAN profile to RFP43-WLAN profile

DEV-14794: Change of sip user credentials in call active state may cause deadlock in telephony services

DEV-14795: Blocking of IMA-queue because of license violation

DEV-14805: OML, message sending over message task blocks all OMM notifications (Exception!)

DEV-14809: Loading of 4.0 activation license updated to 5.0 activation license failed

DEV-14810: OMP: Failed PP user pin or SIP password confirmation causes exception

DEV-14817: XML: "GoodbyeLockInURI" not working

IS_23223:   Redundant system OMM5.0RC4 cannot start if no certificate is loaded

Various smaller fixes and improvements